

IMPROVING THROUGHPUT IN MULTI-RATE WIRELESS NETWORKS USING VARIABLE- LENGTH PACKETS AND OTHER TECHNIQUES

Abstract of Disclosure

In a wireless communication network having a plurality of devices operating at different data rates that contend for access to the network, a method is provided that assigns network access parameters to one or more of the devices so as to control throughput on the network. Examples of network access control parameters are the maximum data packet size and the contention window size. Generally, the network access control parameter for slower data rate users is configured so that they do not occupy the network a disproportionate amount of time compared to faster data rate users.

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Figures